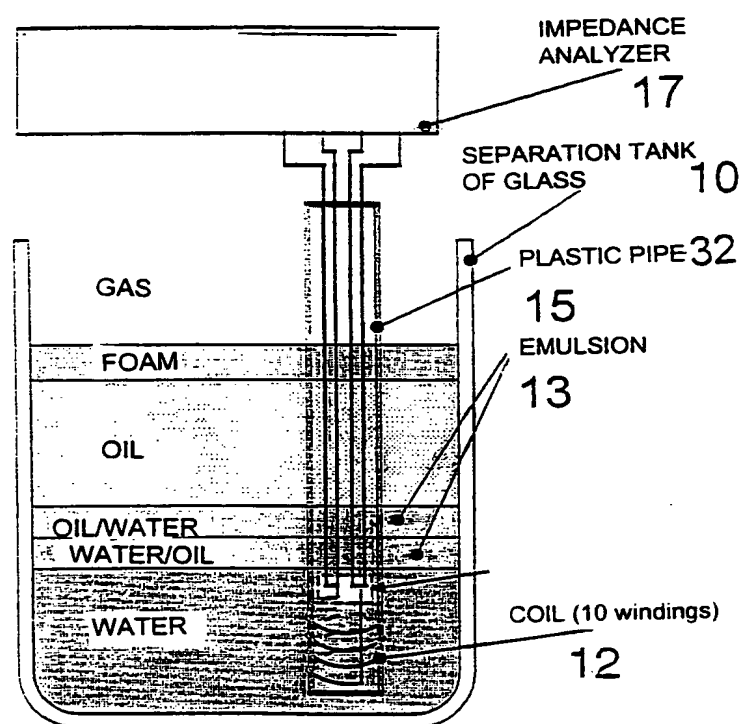


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**FIG 1**

FLOW CHART OF THE MEASURING SET UP IN LABORATORY.

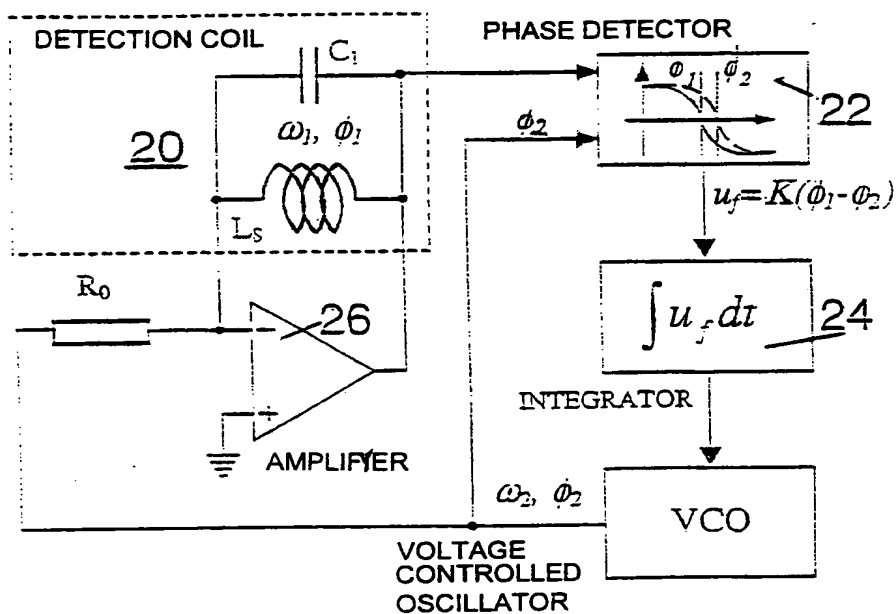


FIG 2

BLOCK DIAGRAM OF DETECTOR ELECTRONICS

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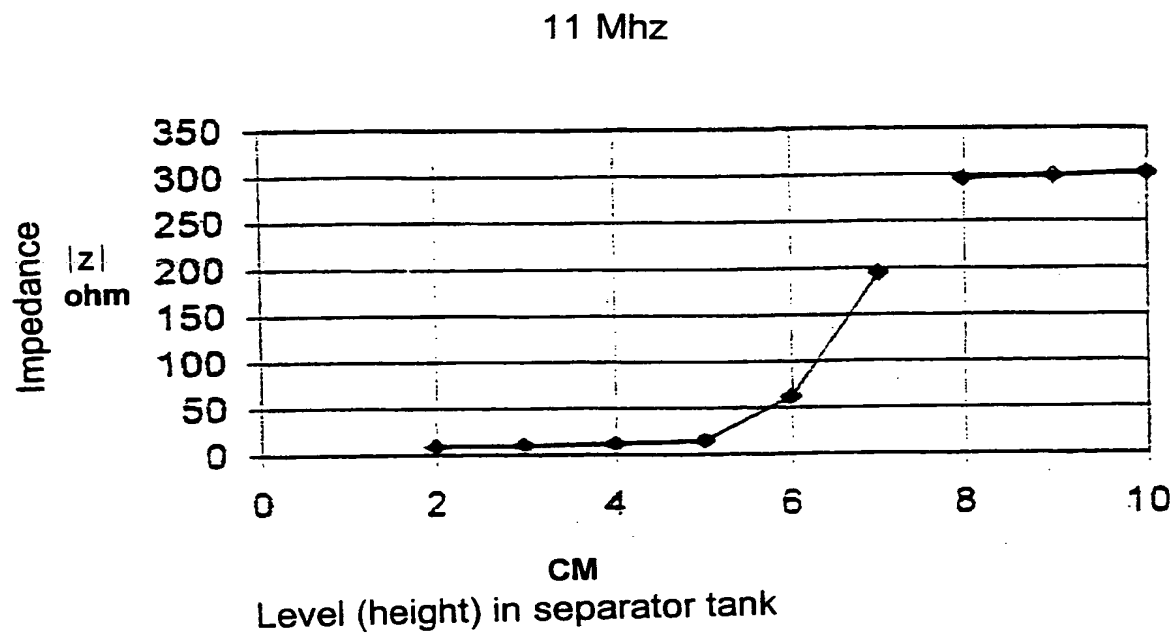


FIG 3
COIL IMPEDANCE AS A FUNCTION OF LEVEL IN SEPARTOR TANK
(N=10, f=11 MHz)

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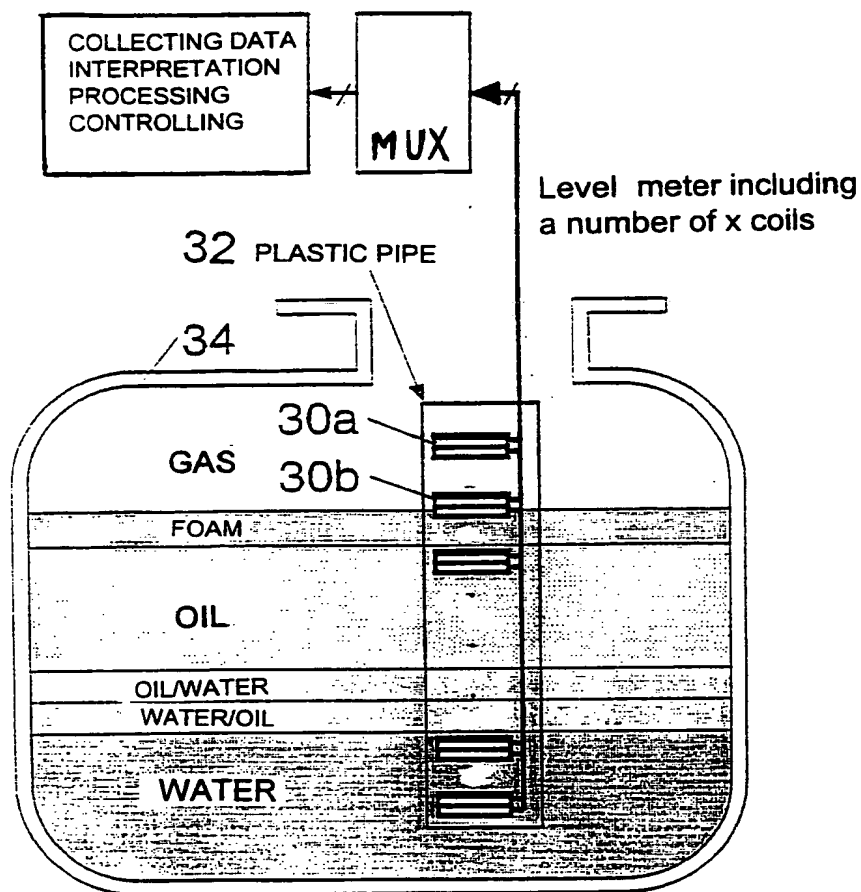
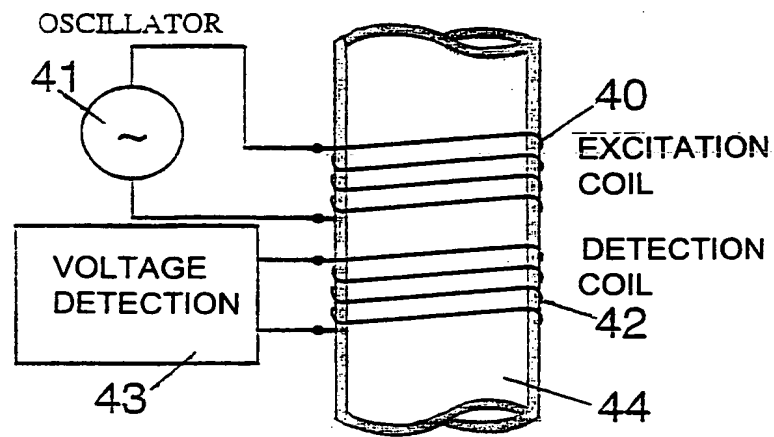


FIG 4

FLOW CHART OF EQUIPMENT FOR LEVEL MEASURING.

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**FIG 5**

PRINCIPLE FOR METERING
WATER CUT IN MULTIPHASE MIXTURES.

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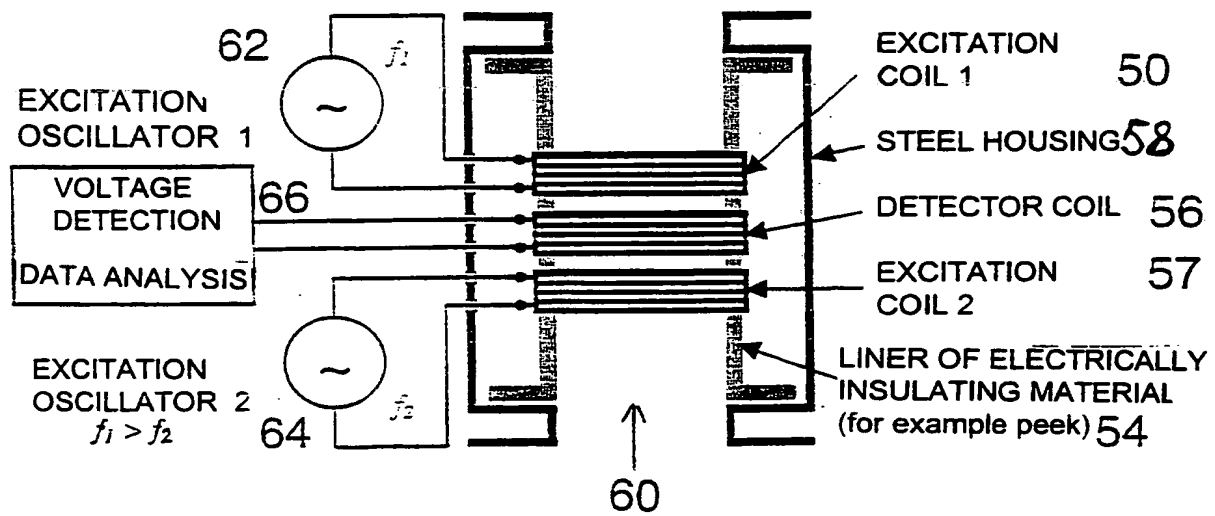


FIG 6

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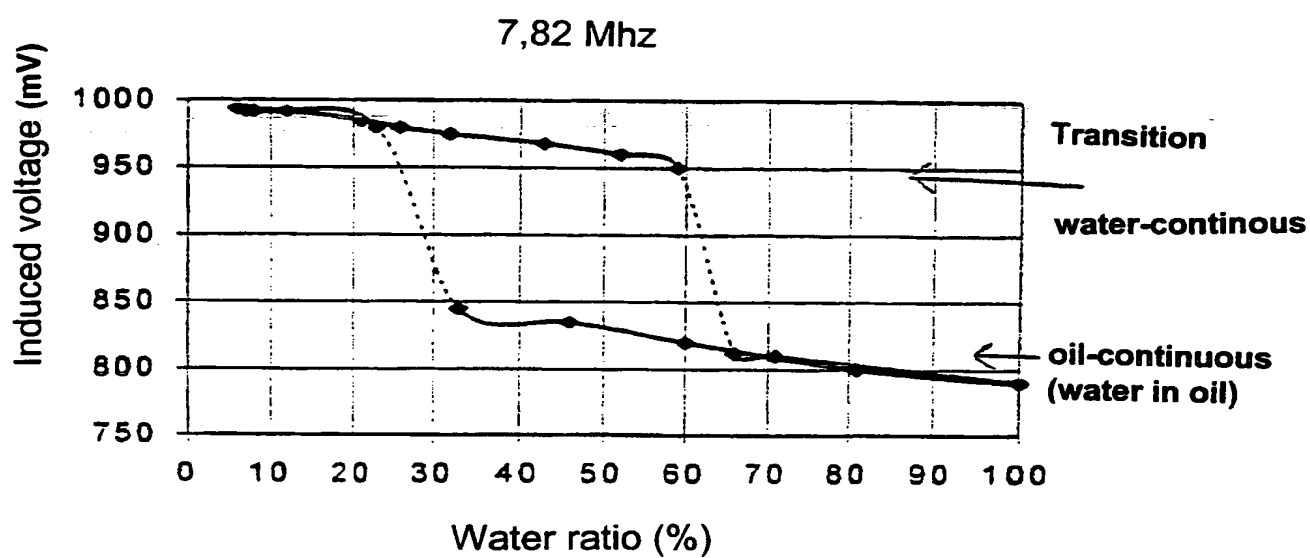


FIG 7

RESULTS OF MEASUREMENTS FROM
A THREE-PHASE FLOW RIG OF OIL/WATER/GAS.